

ABSTRACT OF THE DISCLOSURE

Radio communication system and method capable of
expanding the coverage of a radio base station and thereby
permitting efficient radio communications. ^{A continuous} ~~continuous~~ time
slot allocating unit continuously allocates time slots in a
frame to generate a continuous time slot. During the period
of the continuous time slot, ^a propagation information
calculating unit communicates with a terminal unit to
calculate propagation information about radio wave
propagation between the radio base station and the terminal
unit. Also, during the period of the continuous time slot, ^a
transmission timing calculating unit calculates, based on
the propagation information, transmission timing for ^a signal
to be transmitted from the terminal unit to the radio base
station. Signal transmitting unit transmits the signal in
accordance with the transmission timing.